

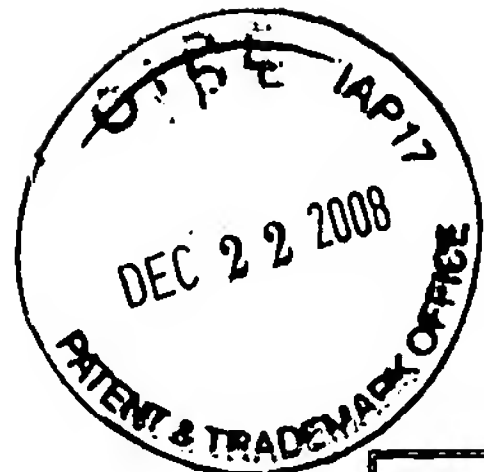


Information Disclosure Statement List
pursuant to 37 C.F.R. § 1.98(a)(1)-(2) and (b)(3)-(4) for
APPLICATION NO. 10/589,152 (ATTORNEY DOCKET #: 21108.0043U2)

APPENDIX A

LIST OF PROSECUTION DOCUMENTS FROM FOREIGN PATENT APPLICATIONS

Initials	Country	Application No.	Application Filing Date	Applicant	Document	Date of Document
	EP	05756203.5	8/14/2006	UNIVERSITY OF ROCHESTER	Examination Report	8/21/2008
	EP	05756203.5	8/14/2006	UNIVERSITY OF ROCHESTER	Supplementary European Search Report	4/23/2008
	EP	05756203.5	8/14/2006	UNIVERSITY OF ROCHESTER	Response to Amendment of Claims	11/24/2006
	EP	05756203.5	8/14/2006	UNIVERSITY OF ROCHESTER	Amendment of Claims	10/23/2006
	PCT	PCT/US05/04900	2/16/2005	UNIVERSITY OF ROCHESTER	International Preliminary Report on Patentability	8/22/2006
	PCT	PCT/US05/04900	2/16/2005	UNIVERSITY OF ROCHESTER	Written Opinion	3/15/2006
	PCT	PCT/US05/04900	2/16/2005	UNIVERSITY OF ROCHESTER	International Search Report	3/15/2006



INFORMATION DISCLOSURE STATEMENT LIST		Complete if Known					
		Application Number	10/589,152				
(Use as many sheets as necessary)		Filing Date	May 31, 2007				
		First Named Inventor	David J. Topham				
		Group Art Unit	1648				
		Examiner Name	Louise W. Humphrey				
U.S. PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	A1	US 2002/081635 A1	06/27/02	Thomas et al.			
FOREIGN PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No		
	A2	JP 171971	06/18/02	(NO ENGLISH ABSTRACT)			
NON-PATENT DOCUMENTS							
Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)					
	A3	Allan et al., "Cellular events in the lymph node and lung of mice with influenza. Consequences of depleting CD4+ T cells," J. Immunol., 144:3980-3986 (1990).					
	A4	Andreasen et al., "Expression and Functional Importance of Collagen-Binding Integrins, .Alpha.1.Beta.1 and .Alpha.2.Beta.1 on Virus-Activated T Cells," Journal of Immunology, 171(6):2804-2811 (2003) (XP008072674).					
	A5	Aoudjit et al., "Engagement of the alpha2betal integrin inhibits Fas ligand expression and activation-induced cell death in T cells in a focal adhesion kinase-dependent manner," Blood, 95:2044-2051.					
	A6	Arase et al., Cutting edge: the mouse NK cell-associated antigen recognized by DX5 monoclonal antibody is CD49b (alpha 2 integrin, very late antigen-2)," J. Immunol., 167:1141-1144 (2001).					
	A7	Bachmann et al., "Protection against immunopathological consequences of a viral infection by activated but not resting cytotoxic T cells: T cell memory without "memory T cells"?" Proc. Natl. Acad. Sci., USA 94:640-645 (1997).					
	A8	Bank et al., "Expression and functions of very late antigen 1 in inflammatory joint diseases," Journal of Clinical Immunology, 11:29-38 (1991).					
	A9	Belkin et al., "Human smooth muscle VLA-1 integrin: purification, substrate specificity, localization in aorta, and expression during development," Journal of Cell Biology, 111:2159-2170 (1990).					
	A10	Belz et al. "Characteristics of virus-specific CD8(+) T cells in the liver during the control and resolution phases of influenza pneumonia," Proc. Natl. Acad. Sci., USA 95:13812-13817 (1998).					
	A11	Belz et al., "A previously unrecognized H-2D(b)-restricted peptide prominent in the primary influenza A virus-specific CD8(+) T-cell response is much less apparent following secondary challenge," J. Virol., 74:3486-3493 (1998).					
	A12	Ben-Horin et al., "The Role of Very Late Antigen-1 in Immune-Mediated Inflammation," Clinical Immunology, Academic Press, 113(2):119-129 (2004) (XP004576813).					
	A13	Bennink et al., "Influenzal pneumonia: early appearance of cross-reactive T cells in lungs of mice primed with heterologous type A viruses," Immunology, 35:503-509 (1978).					
	A14	Buckner et al., "Defining antigen-specific responses with human MHC class II tetramers," J Allergy Clin Immunol: 199-208 (2002).					
	A15	Butcher et al., "Lymphocyte homing and homeostasis," Science, 272:60-66 (1996).					

	A16	Darzynkiewicz et al., "Features of apoptotic cells measured by flow cytometry," Cytometry, 13:795-808 (1992).
	A17	De Fougerolles et al., "Regulation of inflammation by collagen-binding integrins alphabeta1 and alpha2beta1 in models of hypersensitivity and arthritis," J. Clin. Invest., 105:721-729 (2000).
	A18	Doherty et al., "Consequences of viral infections for lymphocyte compartmentalization and homeostasis," Semin. Immunol., 9:365-373 (1997).
	A19	Doherty et al., "Establishment and persistence of virus-specific CD4+ and CD8+ T cell memory," Immunol. Rev., 150:23-44 (1996).
	A20	Doherty et al., "Quantitative analysis of the CD8+ T- cell response to readily eliminated and persistent viruses," Philos. Trans. R Soc. Lond. B Biol. Sci., 355:1093-1101 (2000).
	A21	Dustin et al., "Reprogramming T cells: the role of extracellular matrix in coordination of T cell activation and migration," Curr. Opin. Immunol., 13:286-290 (2001).
	A22	Effros et al., "Characteristics of secondary cytotoxic T-cell responses in mice infected with influenza A viruses," Cell. Immunol., 36:345-353 (1978).
	A23	Effros et al., "Generation of both cross-reactive and virus-specific T-cell populations after immunization with serologically distinct influenza A viruses," J. Exp. Med., 145:557-568 (1977).
	A24	Ekberg-Jansson et al., A Comparison of the Expression of Lymphocyte Activation Markers in Blood, Bronchial Biopsies and Bronchoalveolar Lavage: Evidence for an Enrichment of Activated T Lymphocytes in the Bronchoalveolar Space, Respiratory Medicine, 93(8):563-570 (1999) (XP002448188).
	A25	Ennis et al., "Recombination of influenza A virus strains: effect on pathogenicity," Dev. Biol. Stand., 33:220-225 (1976).
	A26	Falcioni et al., "Influence of CD26 and Integrins on the Antigen Sensitivity of Human Memory T Cells," Human Immunology, 50:79-90 (1996).
	A27	Flynn et al., "Virus-Specific CD8+ T Cells in Primary and Secondary Influenza Pneumonia," Immunity, 8:683-691 (1998).
	A28	Frisch et al., "Disruption of epithelial cell-matrix interactions induces apoptosis," J. Cell. Biol., 124:619-626 (1994).
	A29	Gardner et al., "Deletion of integrin alpha 1 by homologous recombination permits normal murine development but gives rise to a specific deficit in cell adhesion," Developmental Biology (Orlando), 175: 301-313 (1996).
	A30	Goldman et al., "VLA-2 is the integrin used as a collagen receptor by leukocytes," European Journal of Immunology, 22:1109-1114 (1992).
	A31	Goldstein et al., "Expression of the Alpha1beta1 integrin, VLA-1, Marks a Distinct Subset of Human CD4+ Memory T Cells," Journal of Clinical Investigation, 112(9):1444-1454 (2003) (XP002448186).
	A32	Gomori, "A rapid one-step trichrome stain," Am. J. Clin. Path., 20:661-664 (1950).
	A33	Gretz et al., "Lymph-borne chemokines and other low molecular weight molecules reach high endothelial venules via specialized conduits while a functional barrier limits access to the lymphocyte microenvironments in lymph node cortex," J. Exp. Med., 192:1425-1440 (2000).
	A34	Gretz et al., "Sophisticated strategies for information encounter in the lymph node: the reticular network as a conduit of soluble information and a highway for cell traffic," J. Immunol., 157:495-499 (1996).
	A35	Gunzer et al., "Antigen presentation in extracellular matrix: interactions of T cells with dendritic cells are dynamic, short lived, and sequential," Immunity, 13:323-332 (2000).
	A36	Hemler et al., "Very late activation antigens on rheumatoid synovial fluid T lymphocytes. Association with stages of T cell activation," Journal of Clinical Investigation, 78:696-702 (1986).

	A37	Hemler et al., "VLA-1: a T cell surface antigen which defines a novel late stage of human T cell activation," Eur. J. Immunol., 15:502-508 (1985).
	A38	Hemler et al., Cell matrix adhesion-related proteins VLA-1 and 5VLA-2: regulation of expression on T cells," J. Immunol., 138:2941-2948 (1987).
	A39	Hemler, "VLA proteins in the integrin family: structures, functions, and their role on leukocytes," Annual Review of Immunology, 8:365-400 (1990).
	A40	Hernandez-Pando et al., "The role of TNF-alpha in T-cell-mediated inflammation depends on the Th1/Th2 cytokine balance," Immunology, 82:591-595 (1994).
	A41	Hogan et al., "Activated antigen-specific CD8+ T cells persist in the lungs following recovery from respiratory virus infections," J. Immunol., 166:1813-1822 (2001).
	A42	Hogan et al., "Protection from respiratory virus infections can be mediated by antigen-specific CD4(+) T cells that persist in the lungs," J. Exp. Med., 193:981-986 (2001).
	A43	Ianaro et al., "Anti-very late antigen-1 monoclonal antibody modulates the development of secondary lesion and T-cell response in experimental arthritis," Lab. Invest., 80:73-80 (2000).
	A44	Kambayashi et al., "Expression of the DX5 antigen on CD8+ T cells is associated with activation and subsequent cell death or memory during influenza virus infection," Eur. J. Immunol., 31:1523-1530 (2001).
	A45	Kunkel et al., "Chemokines and the tissue-specific migration of lymphocytes," Immunity, 16:1-4 (2002).
	A46	Laver et al., "The origin and control of pandemic influenza," Perspect. Biol. Med., 43:173-192 (2000).
	A47	Liang et al., "Heterosubtypic immunity to influenza type A virus in mice. Effector mechanisms and their longevity," J. Immunol., 152:1653-1661 (1994).
	A48	Lohman et al., "T-lymphocyte downregulation after acute viral infection is not dependent on CD95 (Fas) receptor-ligand interactions," J. Virol., 70:8199-8203 (1996).
	A49	Mackay et al., "Tissue-specific migration pathways by phenotypically distinct subpopulations of memory T cells," Eur. J. Immunol., 22:887-895 (1992).
	A50	Mannering et al., "A sensitive method for detecting proliferation of rare autoantigen-specific human T cells," Journal of Immunological Methods 283: 173-183 (2003).
	A51	Marshall et al., "Measuring the diaspora for virus-specific CD8+ T cells," Proc. Natl. Acad. Sci. USA 98:6313-6318 (2001).
	A52	Masopust, D., Vezys, V., Marzo, A. L., and Lefrancois, L. (2001). Preferential localization of effector memory cells in nonlymphoid tissue. Science 291, 2413-2417.
	A53	Mendrick et al., "Glomerular epithelial and mesangial cells differentially modulate the binding specificities of VLA-1 and VLA-2," Lab. Invest. 72:367-375 (1995).
	A54	Miner et al., "Collagen IV alpha 3, alpha 4, and alpha 5 chains in rodent basal laminae: sequence, distribution, association-with laminins, and developmental switches," Journal of Cell Biology, 127:879-891 (1994).
	A55	Munoz et al., "Current research on influenza and other respiratory viruses: II international symposium," Antiviral Res. 46:91-124 (2000).
	A56	Ray et al., "The Collagen Binding .Alpha.1.Beta.1 Integrin VLA-1 Regulates CD8 T Cell-Mediated Immune Protection Against Heterologous Influenza Infection," Immunity, 20(2):167-179 (2004) (XP 008072672).
	A57	Razvi et al., "Lymphocyte apoptosis during the silencing of the immune response to acute viral infections in normal, 1pr, and Bc1-2- transgenic mice," Am. J. Pathol., 147:79-91 (1995).
	A58	Reinhardt et al., "Visualizing the generation of memory CD4 T cells in the whole body," Nature, 410:101-105 (2001).
	A59	Roberts et al., "Integrin Alpha1beta1 (VLA-1) mediates adhesion of activated intraepithelial lymphocytes to collagen," Immunology, 97(4): 679-685 (1999) (XP002448187).

	A60	Sad et al., "Single IL-2-secreting precursor CD4 T cell can develop into either Th1 or Th2 cytokine secretion phenotype," Journal of Immunology, 153:3514-3522 (1994).
	A61	Sado et al., "Organization and expression of basement membrane collagen IV genes and their roles in human disorders," Journal of Biochemistry, 123:767-776 (1998).
	A62	Sallusto et al., "Two subsets of memory T lymphocytes with distinct homing potentials and effector functions, Nature, 401: 708-712 (1999).
	A63	Saltini et al., "T lymphocytes compartmentalized on the epithelial surface of the lower respiratory tract express the very late activation antigen complex VLA-1," Clin. Immunol. Immunopathol., 46:221-233 (1988).
	A64	Seki et al., "Type II collagen-induced murine arthritis. II. Genetic control of arthritis induction is expressed on L3T4+ T cells required for humoral as well as cell-mediated immune responses to type II collagen," Reg. Immunol., 2:203-212 (1989).
	A65	Shields et al., "Invasion of collagen gels by mouse lymphoid cells," Immunology, 51:259-268 (1984).
	A66	Stemme et al., "T lymphocytes in human atherosclerotic plaques are memory cells expressing CD45RO and the integrin VLA-1," Arteriosclerosis & Thrombosis, 12:206-211 (1992).
	A67	Takahashi et al., "Integrins and other adhesion molecules on lymphocytes from synovial fluid and peripheral blood of rheumatoid arthritis patients," European Journal of Immunology, 22:2879-2885 (1992).
	A68	Tite et al., "Anti-viral immunity induced by recombinant nucleoprotein of influenza A virus. II. Protection from influenza infection and mechanism of protection," Immunology, 71:202-207 (1990).
	A69	Topham et al., "Clearance of an influenza A virus by CD4+ T cells is inefficient in the absence of B cells," J. Virol., 72:882-885 (1998).
	A70	Topham et al., "The role of antigen in the localization of naive, acutely activated, and memory CD8(+) T cells to the lung during influenza pneumonia," J. Immunol., 167:6983-6990 (2001).
	A71	Tripp et al., "Characteristics of the influenza virus-specific CD8+ T cell response in mice homozygous for disruption of the H-2IAb gene," J. Immunol., 155:2955-2959 (1995).
	A72	Tripp et al., "Recruitment and proliferation of CD8+ T cells in respiratory virus infections," J. Immunol., 154:6013-6021 (1995).
	A73	Van Kuppevelt et al., "Immunoquantification of type I, III, IV and V collagen in small samples of human lung parenchyma," International Journal of Biochemistry & Cell Biology, 27:775-782 (1995).
	A74	Van Parijs et al., "Homeostasis and self-tolerance in the immune system: turning lymphocytes off," Science, 280:243-248 (1998).
	A75	Wang et al., "In vivo Priming of CD4 T Cells that Produce Interleukin (IL)-2 but not IL-4 or Interferon (IFN)-gamma, and Can Subsequently Differentiate into IL-4- or IFN-gamma-secreting Cells," J. Exp. Med., 194:1069-1080 (2001).
	A76	Webster, "Influenza: an emerging disease," Emerg. Infect. Dis., 4:436-441 (1998).
	A77	Wiley et al., "Antigen-specific CD8(+) T cells persist in the upper respiratory tract following influenza virus infection," J. Immunol., 167:3293-3299 (2001).
	A78	Yewdell et al., "Influenza A virus nucleoprotein is a major target antigen for cross-reactive anti-influenza A virus cytotoxic T lymphocytes," Proc. Natl. Acad. Sci. USA, 82:1785-1789 (1985).

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